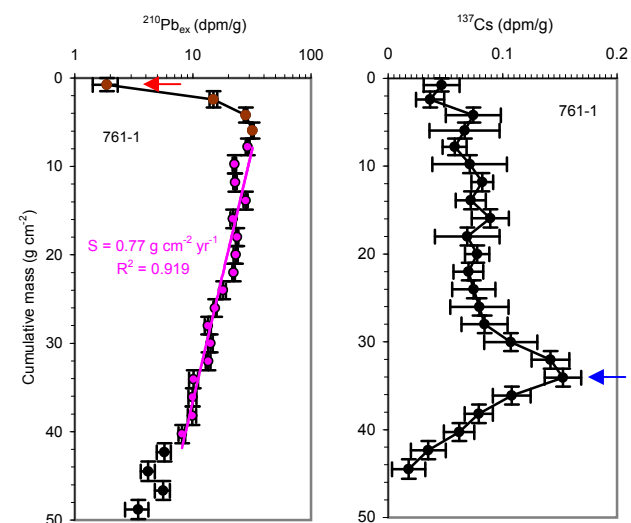Downcore data on water content, cumulative mass, nuclide activities and sediment chronology

Depth (cm)	Content of water (%)	Cumulative mass* (g cm^{-2})	Mean deposition time (A.D.)**	$^{210}Pb_{ex}$ (dpm g^{-1})	^{137}Cs (dpm g^{-1})	
761-1 (22°14.26'N, 120°19.91'E; 389 m; collected on August 2, 2005)						
0-2	47.13	0.749 ± 0.749	**2005.6**	1.87 ± 0.45	0.0467 ± 0.0158	← Typhoon Haitang, July 18-20, 2005
2-4	39.94	2.414 ± 0.916	2004.1	14.95 ± 1.08	0.0366 ± 0.0124	
4-6	42.51	4.183 ± 0.854	2001.8	27.93 ± 0.88	0.0744 ± 0.0241	
6-8	40.43	5.940 ± 0.904	1999.5	31.97 ± 0.81	0.0667 ± 0.0306	
8-10	38.74	7.789 ± 0.946	1997.1	29.11 ± 1.10	0.0581 ± 0.0106	
10-12	35.84	9.756 ± 1.021	1994.6	22.46 ± 0.73	0.0712 ± 0.0326	
12-14	35.05	11.821 ± 1.043	1991.9	22.73 ± 0.72	0.0821 ± 0.0095	
14-16	36.11	13.878 ± 1.014	1989.2	27.93 ± 1.21	0.0721 ± 0.0132	
16-18	35.29	15.928 ± 1.036	1986.6	21.82 ± 1.11	0.0892 ± 0.0163	
18-20	35.76	17.988 ± 1.024	1983.9	23.64 ± 0.58	0.0692 ± 0.0283	
20-22	36.96	20.003 ± 0.992	1981.3	23.07 ± 0.93	0.0777 ± 0.0106	
22-24	36.64	21.995 ± 1.000	1978.7	22.11 ± 0.55	0.0702 ± 0.0130	
24-26	35.93	24.014 ± 1.019	1976.1	17.99 ± 0.99	0.0747 ± 0.0189	
26-28	37.01	26.024 ± 0.990	1973.4	15.42 ± 0.47	0.0798 ± 0.0254	
28-30	36.97	28.005 ± 0.992	1970.9	13.38 ± 0.82	0.0842 ± 0.0202	
30-32	35.92	30.016 ± 1.019	1968.3	14.09 ± 0.67	0.1071 ± 0.0233	
32-34	36.24	32.046 ± 1.011	1965.6	13.47 ± 0.62	0.1418 ± 0.0164	
34-36	36.22	34.068 ± 1.011	**1963.0**	10.16 ± 0.88	0.1527 ± 0.0159	← 1963 nuclear fallout max.
36-38	35.58	36.108 ± 1.028	1960.4	9.93 ± 0.75	0.1081 ± 0.0165	
38-40	34.73	38.188 ± 1.051	1957.6	9.85 ± 0.81	0.0791 ± 0.0122	
40-42	35.37	40.274 ± 1.034	1954.9	8.07 ± 0.54	0.0620 ± 0.0133	
42-44	35.37	42.342 ± 1.034	1952.3	5.74 ± 0.78	0.0351 ± 0.0152	
44-46	32.73	44.483 ± 1.107	1949.5	4.19 ± 0.58	0.0179 ± 0.0146	
46-48	33.98	46.662 ± 1.072		5.58 ± 0.82		
48-50	33.82	48.811 ± 1.077		3.43 ± 0.78		

* Cumulative mass is integrated from the core top to the mid-depth of each sampling interval.

** Chronologies are established from ^{210}Pb decay in hemipelagic sediments and constrained by ^{137}Cs stratigraphy and known events.